INTERNATIONAL SEARCH REPORT

Interponal Application No PCT/FI2004/000345

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According to International Patent Classification (IPC) or to both national classification and IPC										
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IPC 7	D21H	ation symbols)								
Documenta	tion searched other than minimum documentation to the extent tha	t such documents are included in	the fields searched							
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)										
EPO-In	ternal									
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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the r	ralayant managan								
	mos appropriate, or the t	elevant passages	Relevant to claim No.							
X	US 3 850 673 A (NELSON S)		1-7,							
γ	26 November 1974 (1974-11-26) column 11, line 11 - line 24	21-25,28								
	column 11, line 60 - line 62	15								
	figure 2									
X	US 4 340 011 A (WAHREN DOUGLAS E	T AL)	1,2,							
	20 July 1982 (1982-07-20)	9-12,21,								
Y	column 3, line 31 - line 34		22,26-28 15							
	column 4, line 10 - line 19 figure 1									
γ										
1	WO 03/004770 A (GROEN JOHAN ; LI JUHA (FI); METSO PAPER INC (FI))	15								
	16 January 2003 (2003-01-16)									
	cited in the application claim 6									
		-/								
	er documents are listed in the continuation of box C.	X Patent family members	s are listed in annex.							
Special categories of cited documents: The later document published offer the international street in the cited of the cited o										
CONSIG	nt defining the general state of the art which is not ered to be of particular relevance	cited to understand the pri	conflict with the application but adple or theory underlying the							
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L document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) "L* document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone document of particular relevance; the claimed invention										
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	ctual completion of the international search	*&* document member of the same patent family Date of mailing of the International search report								
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		02/02/2005								
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk		Authorized officer								
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INTERNATIONAL SEARCH REPORT

Interponal Application No PCT/FI2004/000345

(Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/F12004/000345	
ategory *		Relevant to claim No.	
	WO 03/004769 A (GROEN JOHAN; LIPPONEN JUHA (FI); KINNUNEN JUHA S (FI); METSO PAPER IN) 16 January 2003 (2003-01-16) cited in the application		
PCT/ISA291	0 (continuation of second sheet) (January 2004)		

INTERNATIONAL SEARCH REPORT

formation on patent family members

Internal Application No PCT/FI2004/000345

			PC1/F12004/000345		
Patent document dited in search report		Publication date		Patent family member(s)	Publication date
US 3850673	A	26-11-1974	BE CH DE ES FR GB GB	711625 A 488853 A 1696284 A1 351194 A1 1563230 A 1227313 A 1229811 A 1230095 A	04-09-1968 15-04-1970 18-11-1971 16-11-1970 11-04-1969 07-04-1971 28-04-1971
US 4340011	A	20-07-1982	NL SE CA DE FI	436620 B 1149157 A1 3046960 A1 803920 A ,B	05-09-1968
NO 00004770			GB IT SE	2068781 A ,B 1188885 B 7910358 A	19-08-1981 28-01-1988 18-06-1981
WO 03004770	Α	16-01-2003	FI CA EP WO JP US	20011455 A 2450854 A1 1415040 A1 03004770 A1 2004533563 T 2005003083 A1	04-01-2003 16-01-2003 06-05-2004 16-01-2003 04-11-2004 06-01-2005
WO 03004769	A	16-01-2003	FI CA EP WO JP US	110443 B1 2450838 A1 1425473 A1 03004769 A1 2004533562 T 2004177939 A1	31-01-2003 16-01-2003 09-06-2004 16-01-2003 04-11-2004 16-09-2004